

HW-DCFDP



HUAWEI CERTIFIED ICT PROFESSIONAL DATA CENTER FACILITY DEPLOYMENT

DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
10 Days	Professional	Data Center Facility	ILT	Huawei Learning Vouchers

INTRODUCTION

HCIP-Data Center Facility Deployment certification is positioned to enable construction capabilities for installation, commissioning, troubleshooting of data center facility. This certification enables you to demonstrate skills of installation, commissioning and troubleshooting the data center facility, additionally you have the qualification of Huawei data center energy product delivery and maintenance. With engineers who are HCIP Data Center Facility Deployment certified, enterprises are able to install, commission and troubleshoot the Data Center Facility.

The HCIP Data Center Facility Deployment curriculum includes, but is not limited to, Data Center Facility Introduction, Huawei Power Distribution System Installation, Commissioning and Troubleshooting, Huawei Cooling System Installation, Commissioning and Troubleshooting, Huawei Monitoring System Installation, Commissioning and Troubleshooting, Fresh Air System, Cabling System and Gas Fire Extinguishing System.

AUDIENCE PROFILE

- People who want to achieve the HCIA Data Center Facility V1.0 certification
- Channel and agent engineers

PREREQUISITES

Before attending this course, delegates must have:

- At least 2-year Data Center facility working experience
- Passed the HCIA Data Center Facility

COURSE OBJECTIVES

On completion of this program, the participants will be able to:

- Describe the history of the Data Center
- Describe the main issues of Data Center design and maintenance
- Describe the power distribution structure of FM800, FM1000 and FM2000
- Describe the features, perform the installation and commissioning of UPS2000
- Describe the features, perform the installation and commissioning of UPS5000
- Perform the routine operation and troubleshooting of UPS2000 and UPS5000
- Perform the routine operation and troubleshooting of Integrated UPS5000
- Describe the features, installation and perform routine operation and troubleshooting of storage battery
- Describe the features of Integrated PDU8000
- Describe cooling solutions commonly used in the Data Center
- Describe Huawei air conditioner products series
- Describe the features of NetCol5000-A and NetCol8000-A
- Perform the installation of NetCol5000-A and NetCol8000-A

- Perform the commissioning of NetCol5000-A and NetCol8000-A
- Perform the troubleshooting of NetCol5000-A and NetCol8000-A
- Describe monitoring system solutions commonly used in the Data Center
- Describe Huawei monitoring system solution
- Describe the Major hardware products and functions of Huawei monitoring system
- Describe the Software structure and main functions of NetEco
- Create modular DC on NetEco
- Perform the basic operation function of NetEco
- Perform the basic alarm and troubleshooting of NetEco
- Describe the realization of fire system
- Describe the structure and main components of fire system

COURSE CONTENT

Module 1: Huawei Data Center Facility

- Overview of modular Data Center
- Huawei Data Center solution

Module 2: Huawei power distribution system

- Fusion module series power distribution frames
- PDU8000 modular power distribution cabinet introduction
- UPS2000 installation, commissioning and troubleshooting

- UPS5000 installation, commissioning and troubleshooting
- Integrated UPS introduction
- Battery application knowledge

Module 3: Huawei Data Center cooling system

- NetCol5000 introduction
- NetCol8000 introduction
- NetCol5000 installation, commissioning and troubleshooting
- NetCol8000 installation, commissioning and troubleshooting

Module 4: Huawei Data Center monitoring system

- Architecture of the monitoring system
- Hardware of the monitoring system
- NetEco function and creation
- ECC800 function and operation

Module 5: Other Data Center Facility system

- Functions and components of gas fire extinguishing system
- Huawei solution for fresh air system, cabling system and gas fire extinguishing system

ASSOCIATED CERTIFICATIONS & EXAM

This course will prepare delegates to take the HCIP Data Center Facility Deployment V1.0 exam # H12-425 which includes but not limited to the following: Data Center facility, Huawei power distribution system installation, commissioning and troubleshooting, Huawei cooling system installation, commissioning and troubleshooting, Huawei monitoring system installation, commissioning and troubleshooting, fresh air system, cabling system and gas fire extinguishing system.